

ABSTRACT OF THE DISCLOSURE:

A membrane or matrix for controlling the permeation rate of a drug, where the membrane or matrix includes a siloxane-based elastomer composition which contains at least one elastomer and possibly a non-crosslinked polymer. The elastomer composition includes poly(alkylene oxide) groups, and the poly(alkylene oxide) groups are present in the elastomer or the polymer as alkoxy-terminated grafts of polysiloxane units, or as blocks, the grafts or blocks being linked to the polysiloxane units by silicon-carbon bonds, or as a mixture of these forms. Methods for the preparation of the elastomer composition to be used in the membrane or matrix are also disclosed.